

## Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the [Soil Survey Manual](#) and many of the technical terms used in the description are defined in [Soil Taxonomy](#).

### ***Counties with Published Soil Surveys***

Technical soil descriptions are located in the county soil survey descriptive legend.

### ***Counties without Published Soil Surveys***

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

*This section includes:*

- (a) **Classification of the soils**

Miller County, Missouri  
 Classification of the Soils

Soil name	Family or higher taxonomic class
Arkana-----	Very-fine, mixed, active, mesic Mollic Hapludalfs
Bardley-----	Very-fine, mixed, active, mesic Typic Hapludalfs
Cedargap-----	Loamy-skeletal, mixed, superactive, mesic Cumulic Hapludolls
Eldon-----	Clayey-skeletal, mixed, active, mesic Mollic Paleudalfs
Freeburg-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Gabriel-----	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Gatewood-----	Very-fine, mixed, active, mesic Oxyaquic Hapludalfs
Gladden-----	Coarse-loamy, siliceous, superactive, mesic Dystric Fluventic Eutrudepts
Goss-----	Clayey-skeletal, mixed, active, mesic Typic Paleudalfs
Gravois-----	Fine-silty, mixed, active, mesic Aquic Paleudalfs
Gunlock-----	Fine, mixed, active, mesic Fragic Oxyaquic Hapludalfs
Hacreek-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Hartville-----	Fine, mixed, active, mesic Aquic Hapludalfs
Jamesfin-----	Fine-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Jemerson-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Maplewood-----	Fine, mixed, active, mesic Fragiaquic Paleudalfs
McGirk-----	Fine, smectitic, mesic Chromic Vertic Endoaqualfs
Moko-----	Loamy-skeletal, mixed, superactive, mesic Lithic Hapludolls
Niangua-----	Very-fine, mixed, active, mesic Typic Hapludalfs
Ocie-----	Loamy-skeletal over clayey, mixed, semiactive, mesic Oxyaquic Hapludalfs
Plato-----	Fine, mixed, active, mesic Aquic Fragiudalfs
Pomme-----	Fine-loamy, mixed, semiactive, mesic Typic Paleudalfs
Racket-----	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Racoон-----	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Rueter-----	Loamy-skeletal, siliceous, active, mesic Typic Paleudalfs
Sacville-----	Fine, smectitic, mesic Vertic Argiaquolls
Sturkie-----	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls
Union-----	Fine, mixed, active, mesic Oxyaquic Fragiudalfs
Useful-----	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Winnipeg-----	Fine-silty, mixed, active, mesic Typic Paleudalfs
Wrengart-----	Fine-silty, mixed, active, mesic Fragic Oxyaquic Hapludalfs